

BAPI-Stat 4 Modbus Room Sensor

B17

Rev. 09/14/15

Humidity or Combination Temp/Humidity Sensors

Ordering Information		BAPI-Stat 4MB Room Unit - Temperature and/or Humidity Sensor			
BA/BS4MB	BAPI-Stat 4 Style Enclosure with Multi-Mode Pushbuttons				
Display Mode		<i>Must select one</i>			
F	Temperatures Displayed in °F				
C	Temperatures Displayed in °C				
X	No Display				
Setpoint Configuration		<i>Must select one for display units, not available for non-display units</i>			
#	SETPOINT DISPLAY OPTIONS				
	<u>Desired Range</u>	<u>Designator</u>	<u>Desired Range</u>	<u>Designator</u>	
	50 to 90 °F or 10 to 32 °C	C	65 to 80 °F or 18 to 27 °C	F	
	55 to 85 °F or 13 to 30 °C	D	70 to 74 °F or 21 to 23 °C	L	
	60 to 80 °F or 15 to 27 °C	E	45 to 96 °F or 7 to 36 °C	G	
	<i>See App. Notes pg 13 for Additional Setpoint Display Ranges</i>				
Humidity Measurement		<i>Must select one</i>			
-HN	No Humidity Measurement				
-H2	Humidity Measurement				
Pushbutton Fan Speed/Mode Options		<i>Must select one</i>			
-FN	No Fan Speed Adjustment				
-F0	Fan Speed Mode 0 (available for display units only)				
-F1	Fan Speed Mode 1 (available for display units only)				
Override Configuration		<i>Must select one</i>			
-J	Override Enabled (available for display units only)				
-Z	No Override				
EXAMPLE					
BA/BS4MB	F	-E	-HN	-FN	-J
Example Part Number: BA/BS4MBF-E-HN-FN-J					
Your Part Number:					



Setpoint Display Ranges for BAPI Room Sensors

Designator	Setpoint Display Range**		Generic	BAPI Room Sensors With Display								
	°F	°C		Humidity	RuP	RuPS	"Quantum", Decora & BAPI-Stat 4	X-Combo*	T1K Room Trans	"Quantum Prime" or BAPI-Stat 3* Temp & Humidity	"Quantum Prime" or BAPI-Stat 3* VOC & CO2	BAPI-Com**
A			-3 to +3	x	x	x	x	x	x	x	x	x
B			-5 to +5	x	x	x	x	x	x	x	x	x
C	50 to 90°F	10 to 32°C		x	x	x	x	x	x	x	x	x
D	55 to 85°F	13 to 30°C		x	x	x	x	x	x	x	x	x
E	60 to 80°F	15 to 27°C		x	x	x	x	x	x	x	x	x
F	65 to 80°F	18 to 27°C		x	x	x	x	x	x	x	x	x
G	45 to 96°F	7 to 35°C		x		x	x	x	x	x	x	x
H	-20 to 120°F	-29 to 49°C						x	x	x	x	x
J	68 to 78°F	20 to 26°C		x	x	x	x	x	x	x	x	x
K	65 to 95°F	18 to 35°C		x		x	x	x	x	x	x	x
L	70 to 74°F	21 to 23°C		x	x	x	x	x	x	x	x	x
M			0 to 100%RH					x		x		x
N			35 to 70%RH					x		x		x
P			-2 to +2	x	x	x	x	x	x	x	x	x
X	40 to 80°F	4 to 27°C		x	x	x	x	x	x	x	x	x
AA	60 to 85°F	15 to 30°C		x		x	x	x	x	x	x	x
BB	54 to 90°F	12 to 32°C		x		x	x	x	x	x	x	x
CC	41 to 85°F	5 to 30°C		x		x	x	x	x	x	x	x
DD	32 to 100°F	0 to 38°C		x		x	x	x	x	x	x	x
EE	67 to 77°F	19 to 25°C		x		x	x	x	x	x	x	x
FF			-10 to +10	x		x	x	x	x	x	x	x
GG	0 to 100°F	-18 to 38°C						x		x		x
JJ	40 to 90°F	4 to 32°C		x		x	x	x	x	x	x	x
KK	32 to 185°F	0 to 85°C						x		x		x
MM	-40 to 140°F	-40 to 60°C						x		x		x
NN	69 to 75°F	21 to 24°C		x		x	x	x	x	x	x	x
PP			-4 to +4	x		x	x	x	x	x	x	x
QQ	55 to 95°F	13 to 35°C		x		x	x	x	x	x	x	x
RR	32 to 212°F	0 to 100°C						x				
SS	25 to 50°F	-4 to 10°C						x				
Maximum Temperature Display Range ->				32 to 110°F 0 to 43°C	32 to 110°F 0 to 43°C	32 to 99°F 0 to 60°C	32 to 158°F 0 to 70°C	-147 to 999°F -99 to 999°C	-40 to 185°F -40 to 85°C	-40 to 140°F -40 to 60°C	-40 to 140°F -40 to 60°C	

An "x" in the box indicates that the output range is available for that room unit.
 *Setpoint range must be within displayed temperature range
 **Range describes the Output Module Range as well as the Display Range if used with the BAPI-Com.

Resistance Output Values for Units with Fan Speed Control

Designator	Fan Speed Control Selection and Resistance Output Value						Room Sensor Models
	OFF	AUTO	LO	MED	HI	ON	
XLD	5k	10k	15k	20k	25k		RuPM, BAPIStat 2 & 4
X01	4.89k	2.33k	10.63k	13.24k	16.33k		RuPM, BAPIStat 2 & 4
X02	2k	4k	6k	8k	10k		RuPM, BAPIStat 2 & 4
X03	5k	10k				15k	RuPM, BAPIStat 2 & 4
X05	4.89k	2.33k				15.8k	RuPM, BAPIStat 2 & 4
X06	6.5k		8.5k	10.5k	12k		BAPIStat 2 & 4 Only
X07	5k					15k	BAPIStat 2 & 4 Only
X08	12.686k	11.86k				13.86k	RuPM, BAPIStat 2 & 4

Resistance Output Values for Units with Heat/Off/Cool Mode and On/Auto Fan Control

Designator	Mode Control Selection and Resistance Output Value						Room Sensor Models
	Heat/Auto	Off/Auto	Cool/Auto	Heat/On	Off/On	Cool/On	
HCF	5k	10k	15k	20k	25k	30k	RuPM, BAPIStat 2 & 4
H01	0k	2k	4k	6k	8k	10k	RuPM, BAPIStat 2 & 4

Resistance Output Values for BAPI-Stat 2 & 4 Units with Heat/Cool and Off/Auto Control

Designator	Mode Control Selection and Resistance Output Value				Room Sensor Models
	Heat	Cool	Auto	Off	
H02	5K	10K	15K	20K	BAPIStat 2 & 4 Only

